

HIGHLY ERODIBLE SOIL MAP UNIT LIST

APRIL 9, 1993

KITTSOON COUNTY
R. B. HESCHKE
C = .30 R = 70

NUMBER	MAP SYMBOL	RECORD MAPPING UNIT NAME	K	T	I	EROSION INDEX	HEL C*
ND0012	45	MADDOCK SOILS, 0 TO 2 PERCENT SLOPES	.17	5	134	8.04	HEL
MN0051	46	BORUP LOAM	.28	4	86	6.45	NHEL
ND0295	47	COLVIN SILTY CLAY LOAM	.32	5	86	5.16	NHEL
ND0024	50	CASHEL SILTY CLAY	.32	5	86	5.16	NHEL
MN0125	52	AUGSBURG SOILS	.28	4	86	6.45	NHEL
MN0083	59	GRIMSTAD SOILS, 0 TO 2 PERCENT SLOPES	.20	5	86	5.16	NHEL
MN0027	60	GLYNDON SOILS, 0 TO 2 PERCENT SLOPES	.28	5	86	5.16	NHEL
MN0414	61	ARVESON SOILS	.24	3	86	8.60	HEL
MN0633	63	ROCKWELL SOILS	.20	5	86	5.16	NHEL
MN0037	64	ULEN SOILS, 0 TO 2 PERCENT SLOPES	.20	5	86	5.16	NHEL
MN0133	65	FOXHOME SOILS, 0 TO 2 PERCENT SLOPES	.20	3	86	8.60	HEL
ND0296	67	BEARDEN SILT LOAM, 0 TO 2 PERCENT SLOPES	.28	5	86	5.16	NHEL
MN0117	77	GARNES SOILS, 0 TO 2 PERCENT SLOPES	.32	5	48	2.88	NHEL
ND0296	93	BEARDEN SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	.28	5	86	5.16	NHEL
	93B	BEARDEN SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES					
MN0130	111	HANGAARD SOILS	.20	2	86	12.90	HEL
MN0005	116	REDBY SOILS, 0 TO 2 PERCENT SLOPES	.17	5	134	8.04	HEL
MN0002	117	CORMANT SOILS	.17	5	134	8.04	HEL
MN0019	145	ENSTROM LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	.17	5	134	8.04	HEL
MN0131	148	POPPELTON SOILS, 0 TO 2 PERCENT SLOPES	.15	5	134	8.04	HEL
ND0023	157	WHPETON SILTY CLAY, 0 TO 2 PERCENT SLOPES	.28	5	86	5.16	NHEL
	157B	WHPETON SILTY CLAY, 2 TO 6 PERCENT SLOPES					
MN0021	187	HAUG MUCK	--	5	134	8.04	HEL
MN0046	205	KARLSTAD SOILS, 0 TO 2 PERCENT SLOPES	.17	3	134	13.40	HEL
MN0047	242	MARQUETTE SOILS, 0 TO 2 PERCENT SLOPES	.17	2	134	20.10	HEL
MN0619	245	LOHNES SOILS, 0 TO 6 PERCENT SLOPES	.15	5	134	8.04	HEL
MN0120	280	PELAN SOILS, 0 TO 2 PERCENT SLOPES	.17	3	134	13.40	HEL
ND0017	296	FRAM SOILS, 0 TO 2 PERCENT SLOPES	.20	5	86	5.16	NHEL
MN0039	343	WHEATVILLE SOILS, 0 TO 2 PERCENT SLOPES	.28	4	86	6.45	NHEL
MN0048	379	PERCY BOULDERY SOILS	.28	5	--		NHEL
MN0048	383	PERCY SOILS, CALCAREOUS SURFACE	.28	5	86	5.16	NHEL
MN0048	384	PERCY SOILS, DEPRESSIONAL	.28	5	56	3.36	NHEL
MN0056	403	VIKING SOILS	.32	5	56	3.36	NHEL
MN0134	412	MAVIE SOILS	.24	3	86	8.60	HEL
MN0361	424	AUGSBURG SOILS, DEPRESSIONAL	.28	4	86	6.45	NHEL
MN0115	425	DONALDSON SOILS, 0 TO 2 PERCENT SLOPES	.24	4	86	6.45	NHEL
MN0116	426	FOLDAHL SOILS, 0 TO 2 PERCENT SLOPES	.20	5	86	5.16	NHEL
ND0017	427	FRAM SOILS, LEACHED, 0 TO 3 PERCENT SLOPES	.20	5	86	5.16	NHEL
MN0022	429	NORTHCOTE CLAY, 0 TO 2 PERCENT SLOPES	.28	5	86	5.16	NHEL
	429B	NORTHCOTE CLAY, 2 TO 6 PERCENT SLOPES					
MN0119	430	NOYES SOILS	.28	3	56	5.60	NHEL
MN0122	432	STRANDQUIST SOILS	.20	3	86	8.60	HEL
MN0363	433	SYRENE SOILS, VERY WET	.20	3	86	8.60	HEL
MN0132	435	SYRENE SOILS	.20	3	86	8.60	HEL
MN0362	438	NORTHCOTE CLAY, DEPRESSIONAL	.28	5	86	5.16	NHEL
MN0020	482	GRYGLA SOILS	.15	5	134	8.04	HEL
MI0387	543	MARKEY MUCK	--	4	134	10.05	HEL
MI0392	544	CATHRO MUCK	--	5	134	8.04	HEL
MN0018	547	DEERWOOD MUCK	--	3	134	13.40	HEL
MN0048	581	PERCY SOILS	.28	5	56	3.36	NHEL
MN0076	582	ROLISS SOILS	.28	5	48	2.88	NHEL

NUMBER	MAP SYMBOL	RECORD MAPPING UNIT NAME	K	T	I	EROSION INDEX	HELC*
MN0118	583	NERESON SOILS, 0 TO 2 PERCENT SLOPES	.20	5	86	5.16	NHEL
ND0296	908	BEARDEN-FARGO COMPLEX	.28	5	86	5.16	NHEL**
ND0020			.32	5	86	5.16	
MN0053	937	HEGNE-NORTHCOTE COMPLEX	.32	5	86	5.16	NHEL**
MN0022			.28	5	86	5.16	
MN0022	991	NORTHCOTE AND WAHPETON SOILS	.28	5	86	5.16	NHEL**
ND0023			.28	5	86	5.16	
MN0359	993	ARVESON AND CORMANT SOILS, DEPRESSIONAL	.17	4	86	6.45	HEL**
MN0385			.17	5	134	8.04	
MN0634	994	ROCKWELL AND GRYGLA SOILS, DEPRESSIONAL	.20	5	86	5.16	HEL**
MN0416			.15	5	134	8.04	
MN8001	1002	ALLUVIAL LAND, FREQUENTLY FLOODED	.24	5	56	3.36	NHEL
MN8002	1006	BREAKS AND ALLUVIAL LAND	.28	5	48	2.88	PHEL***
MN8001			.24	5	56	3.36	
ND0070	1025	DUNE LAND	.15	5	250	15.00	HEL
MI0479	1053	MARSH	--	5	--	--	NHEL

HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

** THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

*** USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HELC FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HELC FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.
